MD 272 is considered to run in a North/South direction.

PROPOSED SIGNS

10 — LEFT TURN YIELD ON GREEN — R 10-12, 36" x 42"

13,14 — ONLY — R 3-5(L), 30" x 36"

11 — SIGNAL AHEAD / PREPARE TO STOP WHEN FLASHING — W 3-3(2), 120" x 60"

12 — NORTH ← MARYLAND 272 → SOUTH — M-95-1, 72" x 24", Black Letters on White Background

15 — NEW — Temporary Sign W 3-3, 48" x 48"

16 — Temporary Sign W 3-3, 48" x 48"

PROPOSED SIGNALS

1 — 12"/8"

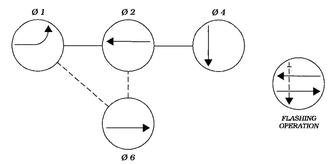
2 — 12"

3,4,5,6,7 — 12"

8,9 — 12"

a,b — Video Detector Camera

PROPOSED NEMA PHASING



NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and all necessary equipment.
B. Install 27 ft. steel mast arm pole with a 50 ft. mast arm vehicle signal heads, signs, camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel twin mast arm pole with 50 ft. mast arms, vehicle signal heads, signs, cameras, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 21 ft. (cut from 27 ft.) steel mast arm pole with a 60 Series mast arm (cut to 35 ft.), vehicle signal heads, signs, (Note: one 3 in. PVC conduit bend).
E. Install handhole.
F. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
L. Install micro-loop probe (set of 3).
M. Install non-invasive probe (set of 3).
N. Install ground mounted sign as shown.
O. Install 24 in. wide pavement marking - white for stop line.
P. Install metered service pedestal for electrical service per MD-SHA Typical 807.05-01.
Q. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
R. Proposed 2 in. conduit for phone service by Verizon.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 3-29-05
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 3/29/05
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 3-29-05
DIRECTOR, TRAFFIC & SAFETY — 3/29

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)

MD 272 at Northeast Plaza Entrance

DRAWN BY:	F. Brownley	F.A.P. NO.	N/A	TS NO. 4412	SHEET NO. 1 OF 4
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Cecil	T.I.M.S. NO. G785	
DATE:	March 28, 2005	LOG MILE:	07027212.38		

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